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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/803,534

03/09/2001

Antti Forstadius

4925-59

2849

7590

09/21/2004

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EXAMINER

CHANG, RICHARD

ART UNIT

PAPER NUMBER

2663

DATE MAILED: 09/21/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/803,534	Applicant(s) FORSTADIUS ET AL.	
	Examiner Richard Chang	Art Unit 2663	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 November 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☐ Claim(s) _____ is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 11, 24 and 34 is/are rejected.
- 7) ☒ Claim(s) 2-10, 12-23, 25-33 and 35-46 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on _____ is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☐ All b) ☐ Some * c) ☒ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>11/25/2002</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Objections

The numbering of claims is not in accordance with 37 CFR 1.126 which requires the original numbering of the claims to be preserved throughout the prosecution. When claims are canceled, the remaining claims must not be renumbered. When new claims are presented, they must be numbered consecutively beginning with the number next following the highest numbered claims previously presented (whether entered or not).

1. Misnumbered second claim 35 should be renumbered as claim 36 (See page 32).

2. Claim 36 (after above correction in item 1) is objected to because of the following informalities: Claim 36 refers to mistyped parent claim "claim 36" wherein the parent claim should be corrected as "claim 35". Appropriate correction is required.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Art Unit: 2663

4. Claims 1, 11, 24 and 34 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by US patent No. 6,633,761 ("Singhal et al.").

Regarding claims 1 and 24, Singhal et al teach a system and method for enabling seamless user mobility in a short-range wireless networking environment (A short-range RF network) comprising means and steps of

the client devices 120(mobile devices), a plurality of network access points known as Handoff Management Points 110 (HMP's as a plurality of nodes), the Handoff Core Servers 100 (resources) and higher level application servers 130 wherein the client devices (mobile devices) roam through the environment when the Core (resource) provides services to the HMP's (a plurality of nodes) (a plurality of nodes connected ... and to at least one resource; ... at least one mobile device wirelessly ... into another node's coverage area),

the Handoff Core Servers (resources) preferably maintain two data repositories (databases) that it uses to enable the seamless roaming of a mobile device from one HMP (node) to another referred as the HMP Registry (node database) and the Active User Location (AUL) Registry (mobile device database) wherein the AUL Registry (mobile device database) maintains a record of the currently active users who are using HMP's (nodes) in the Handoff Core server's (resources) domain and as devices roam about the network and each device's current HMP (node) identifications are updated in the AUL Registry(mobile device database) (a periodically updated first database ... of the short-range RF network),

the HMP Registry (node database) maintains a record of the currently known HMP's (nodes) that are participating in the roaming domain supported by the Core (resource) as well as tracks the time when a particular HMP (node) first registered with the Core (resource), when it most recently refreshed its registration, and when its current registration will expire and the HMP's (nodes) entry in the Registry (node database) is updated with a new registration expiration time (the at least one resource having a periodically updated second database ... of the short-range RF network) (See Fig. 1, Col. 3, line 52 to Col. 4, line 40),

the client device then issues a DHCP address assignment request (Block 600) to obtain an IP address and the DHCP request issued by the client device is received by the HMP (node) through which it is currently communicating (Block 605) then forwards to the Core server (resource) (Block 610) (the at least one mobile device ... short-range RF network, ... request to the at least one resource), and

the Core server (resource), through the AUL Registry (mobile device database), tracks which HMP (node) each device is currently using to communicate and generates its DHCP response and forwards it to the HMP (node) that forwarded the DHCP request (Block 645) and then the HMP (node) which receives the response forwards it on to the requesting client device (Block 650) (the at least one resource being arranged ... database of the at least one resource) (See Fig. 6, Col. 8, line 49 to Col. 10, line 23).

Regarding claims 11 and 34, Singhal et al further teach that the particular short-range RF communications capability may include technologies such as 802.11, Bluetooth, or similar technologies (See Fig. 1, Col. 3, lines 59-66).

Allowable Subject Matter

5. Claims 2-10, 12-23, 25-33 and 35-46 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims and if no art rejection can be applied.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Richard Chang whose telephone number is (571) 272-3129. The examiner can normally be reached on Monday - Friday from 8 AM to 5 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chau T Nguyen can be reached on (571) 272-3126. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

RKC
rkc

Richard Chang
Patent Examiner
Art Unit 2663

Chau T. Nguyen

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